

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



INTERNATIONAL BUREAU OF PATENT COOPERATION
358, rue de la Confiance
CH-1202, Genève, Suisse
P.O. Box 6859
CH-1211, Genève, Suisse
Tel. (41) 22 717 0011
Fax (41) 22 717 0012
E-mail: info@wipo.int

(43) International Publication Date
28 October 2004 (28.10.2004)

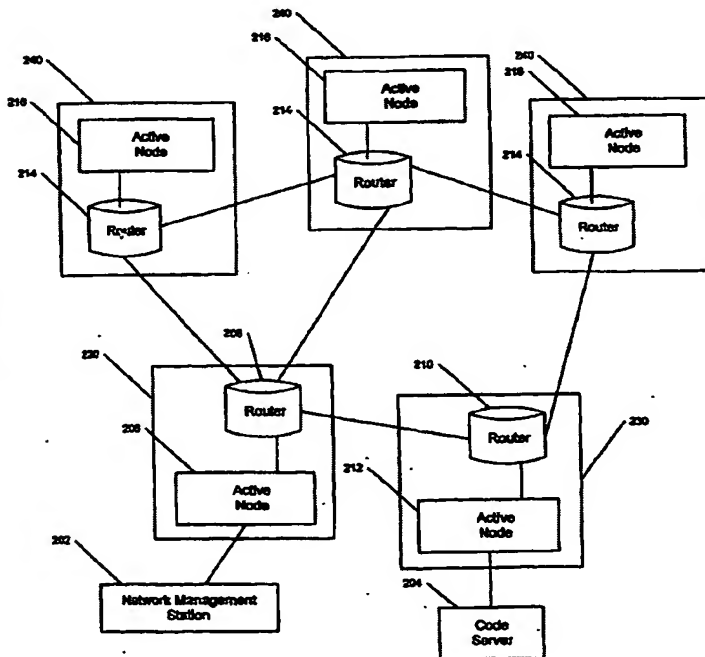
PCT

(10) International Publication Number
WO 2004/092969 A1

- (51) International Patent Classification⁷: G06F 15/173 (74) Agents: SIROTA, Nell, P. et al.; Baker Botts L.L.P., 30 Rockefeller Plaza, New York, NY 10112-4498 (US).
- (21) International Application Number: PCT/US2004/010646 (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 7 April 2004 (07.04.2004) (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, ZW).
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/461,221 7 April 2003 (07.04.2003) US
- (71) Applicant (for all designated States except US): SYNE-MATICS, INC. [US/US]; 185 Claremont Avenue, Suite 1C, New York, NY 10027 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): LIM, Koom-Seng [SG/US]; 19 Lamplight Street, Beacon, NY 12508 (US).

[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR PROVIDING SCALABLE MANAGEMENT ON COMMODITY ROUTERS



(57) Abstract: An apparatus, method and software arrangement for providing pattern-based decentralized network management. The apparatus is a network node (Fig. 2, #208) including a router (Fig. 2, #208) connected to at least one other network node (Fig. 2, #216) of a plurality of network nodes and a processor. The processor is configured to receive a network management program and mobile state information, determine whether to send the network management program to the at least one other network node of the plurality of network nodes, transmit the mobile state information to the at least one other network node of the plurality of network nodes, and selectively transmit the network management program based upon the determination to the at least one other network node of the plurality of network nodes.